Audio system

Vehicles without a navigation system:

CD player with a changer and AM/FM radio

Vehicles with a navigation system:

Owners of models equipped with a navigation system should refer to the “Navigation System Owner’s Manual”.

Using cellular phones

Interference may be heard through the audio system's speakers if a cellular phone is being used inside or close to the vehicle while the audio system is operating.

CAUTION

Certification

- Part 15 of the FCC Rules

  FCC Warning:
  Any unauthorized changes or modifications to this equipment will void the user's authority to operate this device.

- Laser products

  • Do not take this unit apart or attempt to make any changes by yourself.
  This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

  • This product utilizes a laser.
  Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

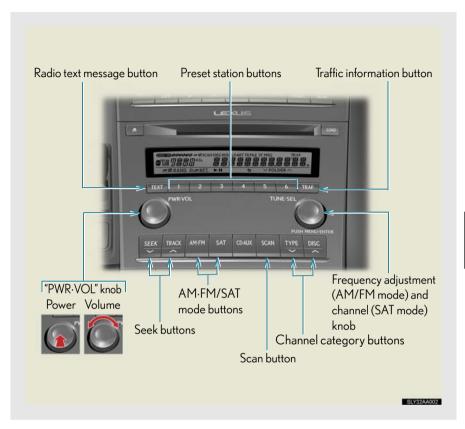
NOTICE

To prevent battery discharge

Do not leave the audio system on longer than necessary with the engine off.

To avoid damaging the audio system

Take care not to spill drinks or other fluids over the audio system.

Using the radio

Setting station presets (excluding XM® Satellite Radio)

STEP 1 Search for the desired stations by turning

or pressing

.

STEP 2 Press and hold the button (from 1 to 6) the station is to be set to until you hear a beep.

Scanning radio stations (excluding XM® Satellite Radio)

Scanning the preset radio stations

STEP 1 Press and hold SCAN until you hear a beep.

STEP 2 When the desired station is reached, press the button again.

Scanning all the radio stations within range

STEP 1 Press SCAN.

All the stations with reception will be played for 5 seconds each.

STEP 2 When the desired station is reached, press the button again.

RDS (Radio Data System)

This feature allows your radio to receive station identification information and program information (classical, jazz, etc.) from radio stations which broadcast this information.

Receiving RDS broadcasts

Press

or

during FM reception.

The type of program changes each time the button is pressed.

- "ROCK"
- "EASYLIS" (Easy listening)
- "CLS/JAZZ" (Classical music and Jazz)
- "R & B" (Rhythm and Blues)
- "INFORM" (Information)
- "RELIGION"
- "MISC" (Miscellaneous)
- "ALERT" (Emergency messages)

If the system receives no RDS stations, "NO PTY" appears on the display.

Press

, or

or

.

The radio seeks or scans for stations of the relevant program type.

3

Interior features

■ **Displaying radio station names**

Press TEXT.

■ **Displaying radio text messages**

Press TEXT twice.

A text message is displayed when "MSG" is shown on the screen.

If the text continues past the end of the display, ▶ is displayed. Press and hold TEXT until you hear a beep.

XM® Satellite Radio

■ **Receiving XM® Satellite Radio**

STEP 1 Press SAT.

The display changes as follows each time the button is pressed: "SAT1" → "SAT2" → "SAT3"

STEP 2 Turn TUNE·SEL to select the desired channel in all the categories or press TRACK ︿ or SEEK ﹀ to select the desired channel in the current category.

■ **Setting XM® Satellite Radio channel presets**

Select the desired channel. Press and hold the button (from 1 to 6) the channel is to be set to until you hear a beep.

■ **Changing the channel category**

Press DISC ︿ or TYPE ﹀.

Scanning the XM® Satellite Radio channels

- Scanning the channels in the current category

STEP 1 Press SCAN.

STEP 2 When the desired channel is reached, press the button again.

- Scanning the preset channels

STEP 1 Press and hold SCAN until you hear a beep.

STEP 2 When the desired channel is reached, press the button again.

Displaying text information

Press TEXT.

The display will show up to 10 characters.

The display changes as follows each time the button is pressed:

- CH NAME
- TITLE (SONG/PROGRAM TITLE)
- NAME (ARTIST NAME/FEATURE)
- CH NUMBER

- **When the 12-volt battery is disconnected**

All preset stations are erased.

- **Reception sensitivity**

  - Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of XM® Satellite Radio.
  - It is difficult to maintain perfect radio reception at all times due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains and transmitters.
  - The radio antenna is mounted inside the rear window. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear window.

- **Receiving XM® Satellite Radio**

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous states and 10 Canadian provinces.

  - XM® subscriptions
    For detailed information about XM® Satellite Radio or to subscribe:
    U.S.A. —
    Visit on the web at www.xmradio.com or call 1-877-515-3987.
    Canada —
    Visit on the web at www.xmradio.ca or call 1-877-515-3987.
  - Radio ID
    You will need the radio ID when activating XM® service or reporting a problem.
    Select "CH000" using

    , and the receiver's 8-character ID number will appear.
  - Satellite tuner
    The tuner supports only Audio Services (Music and Talk) and the accompanying Text Information of XM® Satellite Radio.

■ If the satellite radio does not operate normally

If a problem occurs with the XM® tuner, a message will appear on the display. Refer to the table below to identify the problem, and take the suggested corrective action.

Message	Cause and corrective action
ANTENNA	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	There is a short-circuit in the antenna or the surrounding antenna cable. See a Lexus certified dealer.
UNAUTH	You have not subscribed to the XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact the XM® Satellite Radio for subscription information. When a contract is canceled, you can choose the "CH000" and all the free-to-air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or "CH001". If it does not change automatically, select another channel. If you want to listen to the premium channel, contact the XM® Satellite Radio.
NO SIGNAL	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	The unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.

-----	There is no song/program title or artist name/feature associated with the channel at that time. No action needed.
CH UNAVL	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

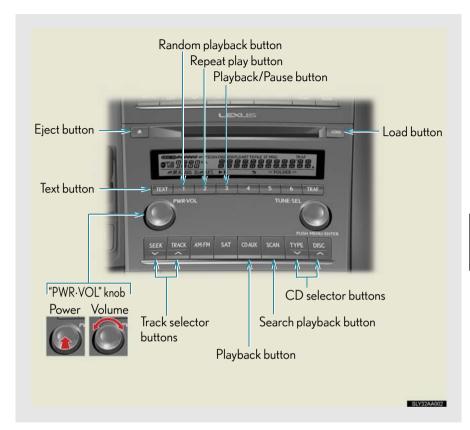
Contact the XM® Listener Care Center at 1-877-515-3987.

Certifications for the radio tuner

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by trying one or more of the following:

- Reorienting or relocate the receiving antenna.
- Increasing the separation between the equipment and receiver.
- Connecting the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consulting the dealer or an experienced radio/TV technician for help.

Using the CD player

Loading a CD

■ Loading a CD

STEP 1 Press LOAD .

"WAIT" is shown on the display.

STEP 2 When the indicator on the slot turns from amber to green, insert a CD.

The display changes from "WAIT" to "LOAD".

■ Loading multiple CDs

STEP 1 Press and hold LOAD until you hear a beep.

"WAIT" is shown on the display.

STEP 2 When the indicator on the slot turns from amber to green, insert a CD.

The display changes from "WAIT" to "LOAD".

The indicator on the slot turns to amber when the CD is being inserted.

STEP 3 When the indicator on the slot turns from amber to green, insert the next CD.

Repeat the procedure for the remaining CDs.

To cancel the operation, press LOAD . If you do not insert a disc within 15 seconds, loading will be canceled automatically.

Ejecting CDs

Ejecting a CD

STEP 1

To select the CD to be ejected, press DISC or TYPE.

The selected disc number is shown on the display.

STEP 2 Press ⏏ and remove the CD.

Ejecting all the CDs

Press and hold ⏏ until you hear a beep, and then remove the CDs.

Selecting, fast-forwarding, reversing and scanning tracks

Selecting a track

Press TRACK to move up or SEEK to move down until the desired track number is displayed.

Fast-forwarding and reversing tracks

To fast-forward or reverse, press and hold TRACK or SEEK until you hear a beep.

Scanning tracks

STEP 1 Press SCAN.

The first ten seconds of each track will be played.

To cancel, press SCAN again.

STEP 2 Press the button again when the desired track is reached.

Selecting a CD

Selecting a CD to play

To select the desired CD, press TYPE ∨ or DISC ∧.

Scanning loaded CDs

STEP 1 Press and hold SCAN until you hear a beep.

The first ten seconds of the first track on each CD will be played.

To cancel, press SCAN again.

STEP 2 Press the button again when the desired CD is reached.

Playing and pausing tracks

To play or pause a track, press 3.

Random playback

Current CD

Press 1.

Songs are played in random order.

To cancel, press 1 again.

All CDs

Press and hold 1 until you hear a beep.

Tracks on all loaded CDs are played in random order.

To cancel, press 1 again.

Repeat play

■ Repeating a track

Press [2].

To cancel, press [2] again.

■ Repeating all of the tracks on a CD

Press and hold [2] until you hear a beep.

To cancel, press [2] again.

Switching the display

Press [TEXT].

Each time the button is pressed, the display changes in the following order: Elapsed time → CD title → Track title

---

■ **CD player protection feature**

To protect the internal components, playback is automatically stopped when a problem is detected.

■ **Display**

Up to 12 characters can be displayed at a time.

If there are 13 or more characters, pressing and holding [TEXT] for 1 second or more enables to display the remaining characters.
A maximum of 24 characters can be displayed.

If [TEXT] is pressed for more than 1 second again or has not been operated for more than 6 seconds, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

n **When "ERROR" or "WAIT" is shown on the display**

"ERROR": This indicates a trouble either in the CD or inside the player. The CD may be dirty, damaged, or inserted up-side down.

"WAIT": This indicates that operation is stopped due to a high temperature inside the player. Wait for a while and then press

. If the CD still cannot be played back, contact your Lexus dealer.

n **Discs that can be used**

Discs with the marks shown below can be used.
Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.

CDs with copy-protection features may not be used.

n **Lens cleaners**

Do not use lens cleaners. Doing so may damage the CD player.

n **If discs are left inside the CD player or in the ejected position for extended periods of time**

The discs may be damaged and may not play properly.

NOTICE

■ **CDs and adapters that cannot be used**

Do not use the following types of CDs, 3 in. (8 cm) CD adapters or Dual Discs. Doing so may damage the CD player and/or the CD load/eject function.

- CDs that have a diameter that is not 4.7 in. (12 cm)

- Low-quality and deformed CDs

- CDs with a transparent or translucent recording area

- CDs that have had tape, stickers or CD-R labels attached to them, or that have had the label peeled off

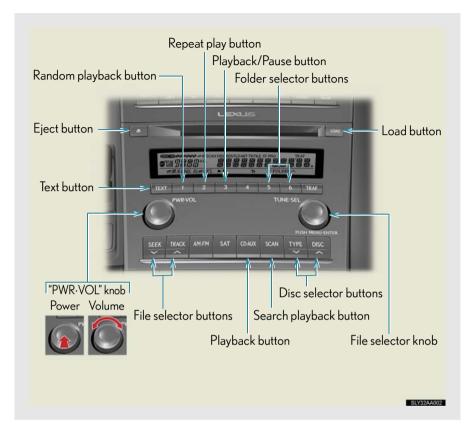
NOTICE

■ **CD player precautions**

Failure to follow the precautions below may result in serious damage to the CDs or the player itself.

- Do not insert anything other than CDs into the CD slot.
- Do not apply oil to the CD player.
- Store CDs away from direct sunlight.
- Never try to disassemble any part of the CD player.

- Do not insert more than one CD at a time.

Playing MP3 and WMA discs

Loading and ejecting MP3 and WMA discs

→P. 278, 279

Selecting MP3 and WMA discs

→P. 280

Selecting and scanning a folder

- **Selecting a folder one at a time**

  Press [5] or [6] to select the desired folder.

- **Returning to the first folder**

  Press and hold [5] until you hear a beep.

- **Scanning the first file of all the folders**

STEP 1 Press and hold [SCAN] until you hear a beep.

The first ten seconds of the first file in each folder will be played.

STEP 2 When the desired folder is reached, press again.

Fast-forwarding and reversing files

To fast-forward or reverse, press and hold or [SEEK ∨] until you hear a beep.

Selecting and scanning files

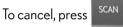
Selecting file

Turn or press or to select the desired file.

Scanning the files in a folder

Press .

The first ten seconds of each file will be played.

To cancel, press again.

When the desired file is reached, press again.

Playing and pausing files

To play or pause a file, press .

Random playback

Playing files from a folder in random order

Press 1.

To cancel, press 1 again.

Playing all the files from a disc in random order

Press and hold 1 until you hear a beep.

To cancel, press 1 again.

Repeat play

n Repeating a file

Press 2 .

To cancel, press 2 again.

n Repeating all the files in a folder

Press and hold 2 until you hear a beep.

To cancel, press 2 again.

Switching the display

Press TEXT .

Each time the button is pressed, the display changes in the following order: Folder no./File no./Elapsed time → Folder name → File name → Album title (MP3 only) → Track title → Artist name

---

n CD player protection feature

→P. 281

n Display

→P. 281

n When "ERROR", "WAIT" or "NO MUSIC" is shown on the display

"ERROR": This indicates a problem either in the CD or inside the player. The CD may be dirty, damaged, or inserted up-side down.

"WAIT": This indicates that operation is stopped due to a high temperatures inside the player. Wait for a while and then press CD·AUX. If the CD still cannot be played back, contact your Lexus dealer.

"NO MUSIC": This indicates that an MP3/WMA file is not included in the CD.

n Discs that can be used

→P. 282

Lens cleaners

→P. 282

If discs are left inside the CD player or in the ejected position for extended periods of time

→P. 282

MP3 and WMA files

MP3 (MPEG Audio LAYER 3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size by using MP3 compression.

WMA (Windows Media Audio) is a Microsoft® audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards that can be used and to the media/formats on which the files are recorded.

- MP3 file compatibility
  - Compatible standards
    MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
  - Compatible sampling frequencies
    MPEG1 LAYER3: 32, 44.1, 48 (kHz)
    MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
  - Compatible bit rates (compatible with VBR)
    MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps)
    MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps)
  - Compatible channel modes: stereo, joint stereo, dual channel and monaural
- WMA file compatibility
  - Compatible standards
    WMA Ver. 7, 8, 9
  - Compatible sampling frequencies
    32, 44.1, 48 (kHz)
  - Compatible bit rates (only compatible with 2-channel playback)
    Ver. 7, 8: CBR 48, 64, 80, 96, 128, 160, 192 (kbps)
    Ver. 9: CBR 48, 64, 80, 96, 128, 160, 192, 256, 320 (kbps)

- Compatible media

Media that can be used for MP3 and WMA playback are CD-Rs and CD-RWs.

Playback in some instances may not be possible if the CD-R or CD-RW is not finalized. Playback may not be possible or the audio may jump if the disc is scratched or marked with fingerprints.

- Compatible disc formats

The following disc formats can be used:

• Disc formats: CD-ROM Mode 1 and Mode 2
  CD-ROM XA Mode 2, Form 1 and Form 2
• File formats: ISO9660 Level 1, Level 2, (Romeo, Joliet)
  MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows:

• Maximum directory hierarchy: 8 levels (including the root)
• Maximum length of folder names/file names: 32 characters
• Maximum number of folders: 192 (including the root)
• Maximum number of files per disc: 255

- File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

- Discs containing multi-session recordings

As the audio system is compatible with multi-sessions, it is possible to play discs that contain MP3 and WMA files. However, only the first session can be played.

- ID3 and WMA tags

ID3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

- MP3 and WMA playback

  When a disc containing MP3 or WMA files is inserted, all files on the disc are first checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend you do not write in any files other than MP3 or WMA files or create any unnecessary folders.

  Discs that contain a mixture of music data and MP3 or WMA format data cannot be played.

- Extensions

  If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

- Playback
  - To play MP3 files with steady sound quality, we recommend a fixed bit rate of at least 128 kbps and a sampling frequency of 44.1 kHz.
  - CD-R or CD-RW playback may not be possible in some instances, depending on the characteristics of the disc.
  - There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
  - When files other than MP3 or WMA files are recorded on a disc, it may take more time to recognize the disc and in some cases, playback may not be possible at all.
  - Microsoft®, Windows®, and Windows Media are the registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

NOTICE

CDs and adapters that cannot be used

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CD player precautions

→P. 284

Operating an iPod

Connecting an iPod enables you to enjoy music from the vehicle speakers.

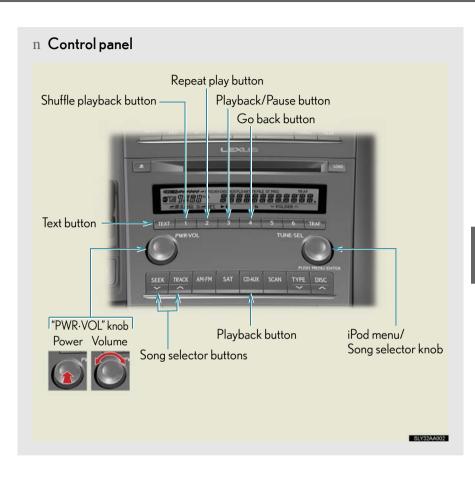
n Connecting an iPod

STEP 1

Open the cover and connect an iPod using an iPod cable.

Turn on the power of the iPod if it is not turned on.

STEP 2 Press CD·AUX.

n Control panel

Selecting a play mode

STEP 1 Press to select iPod menu mode.

STEP 2 Turning changes the play mode in the following order:

"PLAYLISTS"→"ARTISTS"→"ALBUMS"→"SONGS"→ "PODCASTS"→"GENRES"→"COMPOSERS"→ "AUDIOBOOKS"

STEP 3 Press to select the desired play mode.

■ Play mode list

Play mode	First selection	Second selection	Third selection	Fourth selection
"PLAYLISTS"	Playlists select	Songs select	-	-
"ARTISTS"	Artists select	Albums select	Songs select	-
"ALBUMS"	Albums select	Songs select	-	-
"SONGS"	Songs select	-	-	-
"PODCASTS"	Albums select	Songs select	-	-
"GENRES"	Genre select	Artists select	Albums select	Songs select
"COMPOSERS"	Composers select	Albums select	Songs select	-
"AUDIOBOOKS"	Songs select	-	-	-

■ Selecting a list

 Turn to display the first selection list.

STEP 2 Press to select the desired item.

Pressing the knob changes to the second selection list.

STEP 3 Repeat the same procedure to select the desired song name.

To return to the previous selection list, select "GO BACK" or press 4.

Selecting songs

Turn

or press

or

to select the desired song.

Playing and pausing songs

To play or pause a song, press

.

Fast-forwarding and rewinding songs

To fast-forward or rewind, press and hold

or

until you hear a beep.

Shuffle playback

n Playing songs from one playlist or album in random order

Press 1.

To cancel, press 1 again.

n Playing songs from all the playlists or albums in random order

Press and hold 1 until you hear a beep.

To cancel, press 1 again.

Repeat play

Press

.

To cancel, press 2 again.

Switching the display

Press TEXT.

Each time the button is pressed, the display changes in the following order:
Elapsed time → Album title → Track title → Artist name

Adjusting sound quality and volume balance

STEP 1 Press to enter iPod menu mode.

STEP 2 Pressing changes sound modes. (→P. 309)

About iPod

- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

iPod functions

- When an iPod is connected and the audio source is changed to iPod mode, the iPod will resume play from the same point in which it was last used.
- Depending on the iPod that is connected to the system, certain functions may not be available. Disconnecting the device and reconnecting it once again may resolve some malfunctions.

iPod problems

To resolve most problems encountered when using your iPod, disconnect your iPod from the vehicle iPod connection and reset it.
For instructions on how to reset your iPod, refer to your iPod Owner's Manual.

Display

→P. 281

Routing portable audio device cables

When the console box is open, portable audio device cables can be pulled through the opening.

Error messages

"ERROR": This indicates a problem in the iPod or its connection.

"NO MUSIC": This indicates that there is no music data in the iPod.

"EMPTY": This indicates that an empty playlist is selected.

"UPDATE": This indicates that the version of the iPod is not compatible. Upgrade your iPod software to the latest version.

Compatible models

Model	Generation	Software version
iPod	5th generation	Ver. 1.2.0 or higher
iPod nano	1st generation	Ver. 1.3.0 or higher
	2nd generation	Ver. 1.1.2 or higher
	3rd generation	Ver. 1.0.0 or higher
iPod touch	1st generation	Ver. 1.1.0 or higher
iPod classic	1st generation	Ver. 1.0.0 or higher

Depending on differences between models or software version etc., some models listed above might be incompatible with this system.
iPod 4th generation and earlier models are not compatible with this system.
iPhone, iPod mini, iPod shuffle and iPod photo are not compatible with this system.

Items related to standards and limitations are as follows:

- Maximum number of lists in device: 9999
- Maximum number of songs in device: 65025
- Maximum number of songs per list: 65025

CAUTION

Caution while driving

Do not connect iPod or operate the controls.

NOTICE

■ **To prevent damage to iPod**

- Do not leave iPod in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the iPod while it is connected as this may damage the iPod or its terminal.
- Do not insert foreign objects into the port as this may damage the iPod or its terminal.

Operating a USB memory

Connecting a USB memory enables you to enjoy music from the vehicle speakers.

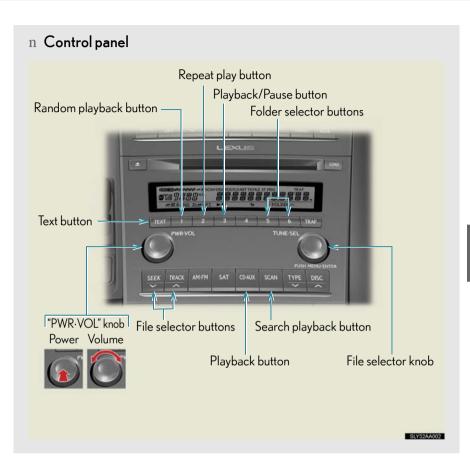
Connecting a USB memory

STEP 1

Open the cover and connect a USB memory.

Turn on the power of the USB memory if it is not turned on.

STEP 2 Press .

Control panel

Selecting and scanning a folder

Selecting folders one at a time

Press 5 or 6 to select the desired folder.

Returning to the first folder

Press and hold 5 until you hear a beep.

Scanning the first file of all the folders

STEP 1 Press and hold SCAN until you hear a beep.

The first ten seconds of the first file in each folder will be played.

STEP 2 When the desired folder is reached, press SCAN again.

Selecting and scanning files

Selecting a file

Turn or press or to select the desired file.

Scanning the files in a folder

Press .

The first ten seconds of each file will be played.

To cancel, press SCAN again.

When the desired file is reached, press SCAN again.

Playing and pausing files

To play or pause a file, press 3.

Fast-forwarding and rewinding files

To fast-forward or rewind, press and hold or until you hear a beep.

Random playback

■ Playing files from a folder in random order

Press .

To cancel, press again.

■ Playing all the files from a USB memory in random order

Press and hold until you hear a beep.

To cancel, press again.

Repeat play

■ Repeating a file

Press .

To cancel, press again.

■ Repeating all the files in a folder

Press and hold until you hear a beep.

To cancel, press again.

Switching the display

Press .

Each time the button is pressed, the display changes in the following order: Elapsed time → Folder name → File name → Album title → Track title → Artist name

USB memory functions

Depending on the USB memory that is connected to the system, certain functions may not be available. Disconnecting the device and reconnecting it once again may resolve some malfunctions.

Display

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Routing portable audio device cables

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Error messages

"ERROR": This indicates a problem in the USB memory or its connection.

"NO MUSIC": This indicates that no MP3/WMA files are included in the USB memory.

USB memory

- Compatible devices

  USB memory that can be used for MP3 and WMA playback

- Compatible device formats

  The following device formats can be used:

  - USB communication formats: USB2.0 FS (12mbps)
  - File formats: FAT16/32 (Windows®)
  - Correspondence class: Mass storage class

  MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

  Items related to standards and limitations are as follows:

  - Maximum directory hierarchy: 8 levels
  - Maximum number of folders in a device: 999 (including the root)
  - Maximum number of files in a device: 65025
  - Maximum number of files per folder: 255

- MP3 and WMA files

MP3 (MPEG Audio LAYER 3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size using MP3 compression.

WMA (Windows Media Audio) is a Microsoft® audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards that can be used and to the media/formats on which the files are recorded.

- MP3 file compatibility
  - Compatible standards
    MP3 (MPEG1 AUDIO LAYERII, III, MPEG2 AUDIO LAYERII, III, MPEG2.5)
  - Compatible sampling frequencies
    MPEG1 AUDIO LAYERII, III: 32, 44.1, 48 (kHz)
    MPEG2 AUDIO LAYERII, III: 16, 22.05, 24 (kHz)
    MPEG2.5: 8, 11.025, 12 (kHz)
  - Compatible bit rates (compatible with VBR)
    MPEG1 AUDIO LAYERII, III: 32-320 (kbps)
    MPEG2 AUDIO LAYERII, III: 32-160 (kbps)
    MPEG2.5: 32-160 (kbps)
  - Compatible channel modes: stereo, joint stereo, dual channel and monaural
- WMA file compatibility
  - Compatible standards
    WMA Ver. 9
  - Compatible sampling frequencies
    HIGH PROFILE 32, 44.1, 48 (kHz)
  - Compatible bit rates
    HIGH PROFILE 32-320 (kbps, VBR)
- File names

  The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

- ID3 and WMA tags

  ID3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

  The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3, 2.4 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

  WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

- MP3 and WMA playback
  - When a device containing MP3 or WMA files is connected, all files in the USB memory device are checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend that you do not include any files other than MP3 or WMA files or create any unnecessary folders.
  - When the USB device is connected and the audio source is changed to USB memory mode, the USB device will start playing the first file in the first folder. If the same device is removed and reinserted (and the contents have not been changed), the USB device will resume play from the same point in which it was last used.

- Extensions

  If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

- Playback
  - To play MP3 files with steady sound quality, we recommend a fixed bit rate of at least 128 kbps and a sampling frequency of 44.1 kHz.
  - There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
  - Microsoft®, Windows®, and Windows Media are registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

CAUTION

■ **Caution while driving**

Do not connect USB memory or operate the controls.

 NOTICE

■ **To prevent damage to USB memory**

- Do not leave USB memory in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the USB memory while it is connected as this may damage the USB memory or its terminal.
- Do not insert foreign objects into the port as this may damage the USB memory or its terminal.

Optimal use of the audio system

Displays the current mode

2 Changes the following settings:

- Sound quality and volume balance
→P. 309

The sound quality and balance setting can be changed to produce the best sound.

- Automatic Sound Levelizer on/off
→P. 310

Adjusting sound quality and volume balance

■ Changing sound quality modes

Press .

Pressing the button changes sound modes in the following order:

"BAS"→"MID"→"TRE"→"FAD"→"BAL"→"ASL"

■ Adjusting sound quality

Turning adjusts the level.

Mode displayed	Sound quality mode	Level	Turn counter-clockwise	Turn clockwise
"BAS"	Bass*	-5 to 5	Low	High
"MID"	Mid-range*	-5 to 5		
"TRE"	Treble*	-5 to 5		
"FAD"	Front/rear volume balance	F7 to R7	Shifts to rear	Shifts to front
"BAL"	Left/right volume balance	L7 to R7	Shifts to left	Shifts to right

*: The sound quality level is adjusted individually in each audio mode.

Turning the Automatic Sound Levelizer (ASL) on/off

Turning clockwise turns on the ASL, and turning counterclockwise turns off the ASL.

ASL automatically adjusts the volume and tone quality according to the noise level as you drive your vehicle.

Using the AUX port

This port can be used to connect a portable audio device and listen to it through the vehicle's speakers.

STEP 1 Open the cover and connect the portable audio device.

STEP 2 Press [CD·AUX].

Operating portable audio devices connected to the audio system

The volume can be adjusted using the vehicle's audio controls. All other adjustments must be made on the portable audio device itself.

When using a portable audio device connected to the power outlet

Noise may occur during playback. Use the power source of the portable audio device.

Routing portable audio device cables

→P. 297

Using the steering wheel audio switches

Some audio features can be controlled using the switches on the steering wheel.

1. Turns the power on, selects an audio source
2. Increases/decreases volume
3. Radio mode: Selects a radio station

   CD mode: Selects a track, file (MP3 and WMA) and disc

   Bluetooth® audio mode:
   Selects a track and album

   iPod mode:
   Selects a song

   USB memory mode:
   Selects a file and folder

Turning the power on

Press [MODE] when the audio system is turned off.

The audio system can be turned off by holding the switch down for 1 second or more.

Changing the audio source

Press [MODE] when the audio system is turned on. The audio source changes as follows each time the button is pressed. If no discs are inserted in the player, that mode will be skipped.

FM1→FM2→SAT1→SAT2→SAT3→CD player→
Bluetooth® audio→AUX→iPod or USB memory→
AM→FM1

Adjusting the volume

Press "+" on [– +] to increase the volume and "-" to decrease the volume.

Hold down the button to continue increasing or decreasing the volume.

Selecting a radio station

STEP 1 Press [MODE] to select radio mode.

STEP 2 Press "∧" or "∨" on [∨ ∧] to select a radio station.

To scan for receivable stations, press and hold "∧" or "∨" on the button until you hear a beep.

Selecting a track/file or song

STEP 1 Press [MODE] to select CD, Bluetooth® audio, iPod or USB memory mode.

STEP 2 Press "∧" or "∨" on [∨ ∧] to select the desired track/file or song.

Selecting an album

STEP 1 Press [MODE] to select Bluetooth® audio mode.

STEP 2 Press and hold "∧" or "∨" on [∨ ∧] until you hear a beep.

Selecting a folder

STEP 1 Press [MODE] to select USB memory mode.

STEP 2 Press and hold "∧" or "∨" on [∨ ∧] until you hear a beep.

Selecting a disc in the CD player

STEP 1 Press [MODE] to select CD mode.

STEP 2 Press and hold "∧" or "∨" on [∨ ∧] until you hear a beep.

Canceling automatic selection of a radio station

Press [∨ ∧] again.

⚠ CAUTION

To reduce the risk of an accident

Exercise care when operating the audio switches on the steering wheel.